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The diagram illustrates a 60W LED driver circuit using the LM3489. The circuit is powered by a + Rectified AC Line and a + DC Bus. It features a feedback network with resistors R_{VDC} , R_{VAD} , R_{DIM} , R_{MAX} , R_{MIN} , R_{FMIN} , and R_{FH} , and capacitors C_{VDC} and C_{VAD} . The LM3489 is connected with pins 1 (VDC), 2 (VCO), 3 (CPH), 4 (DIM), 5 (MAX), 6 (MIN), 7 (FMIN), and 8 (FPH). The output stage includes a MOSFET Q1, a diode, and a MOSFET Q2, with a 100μF capacitor and a 0.5 to 5VDC input. The circuit is connected to a - DC Bus.

Fig. 1

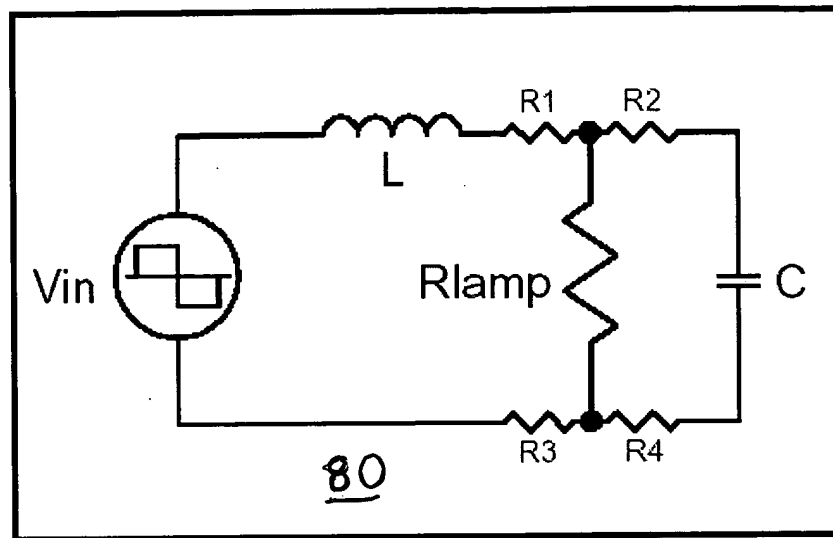


Fig. 2

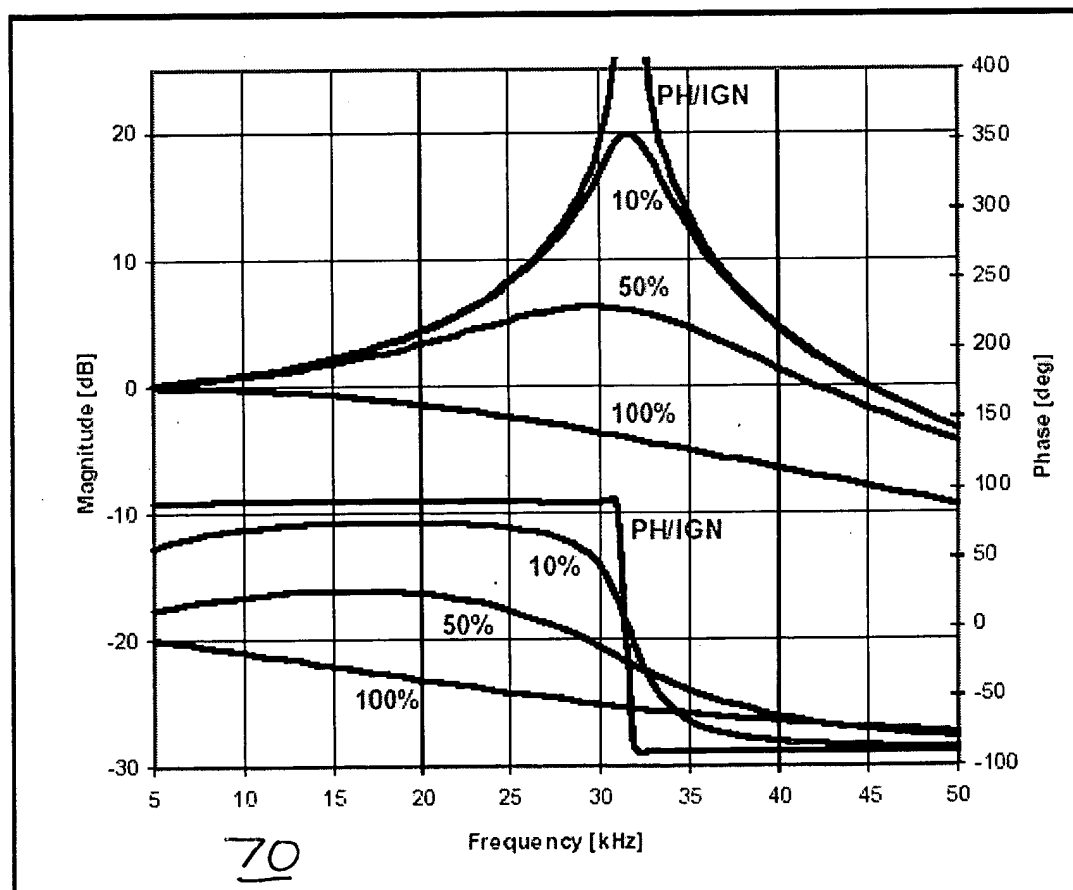


Fig. 3

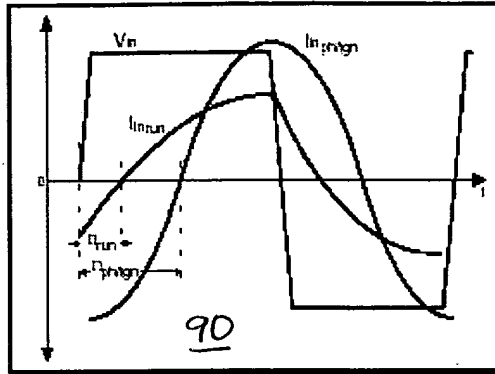


Fig. 4

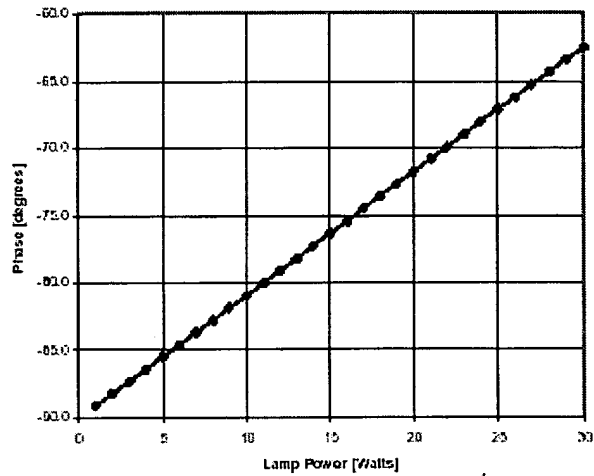


Fig. 5⁴⁰

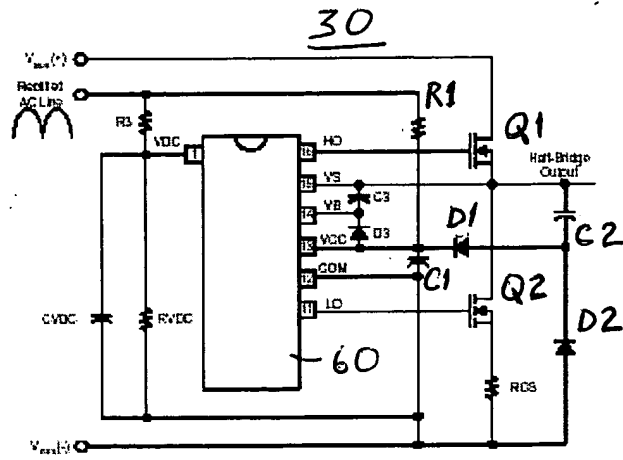


Fig. 6

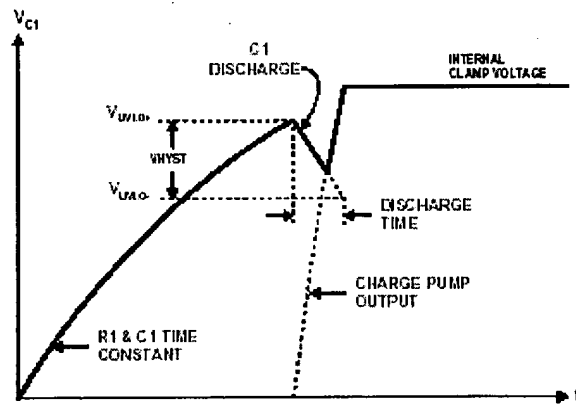


Fig. 7

Fig. 8

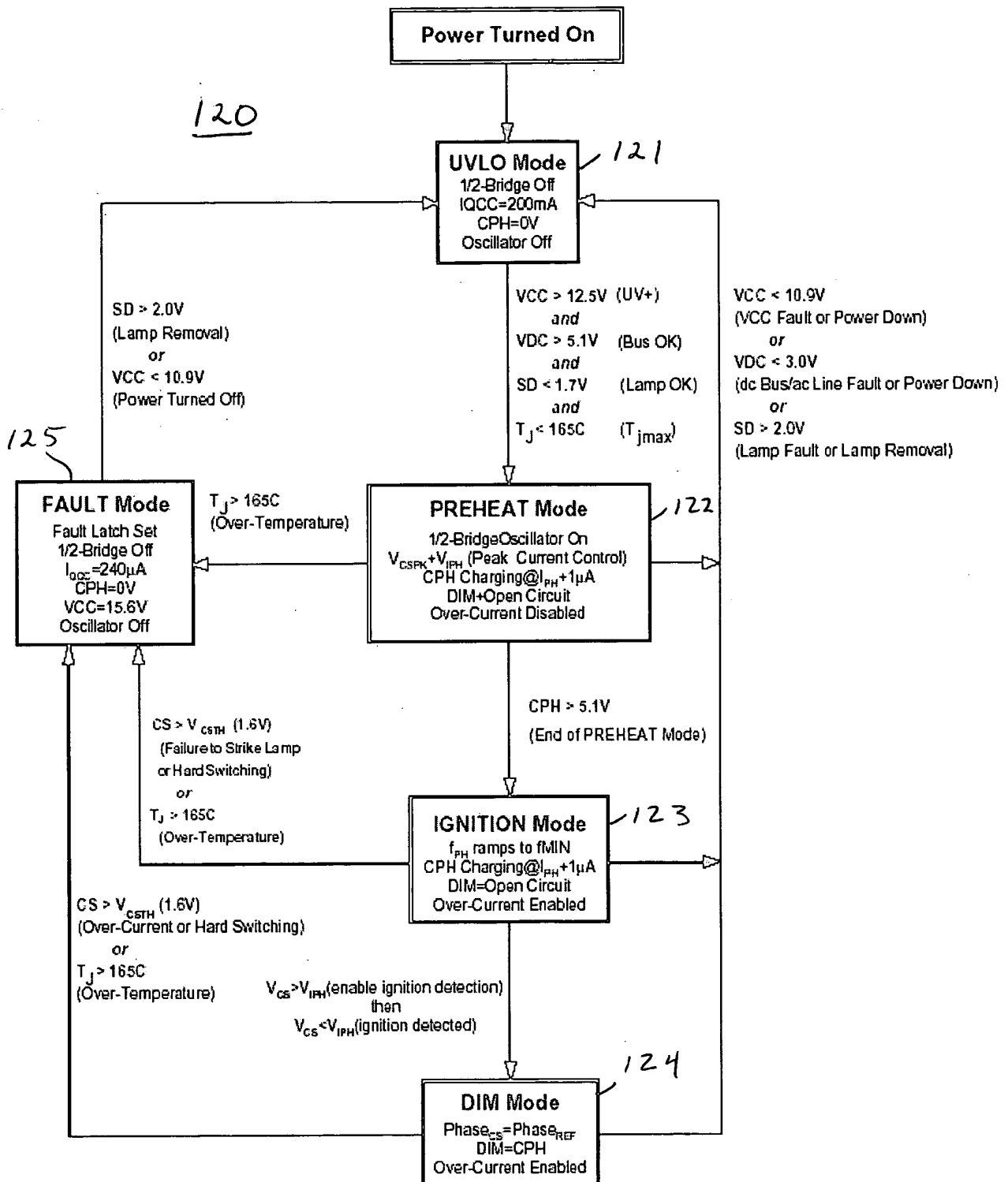
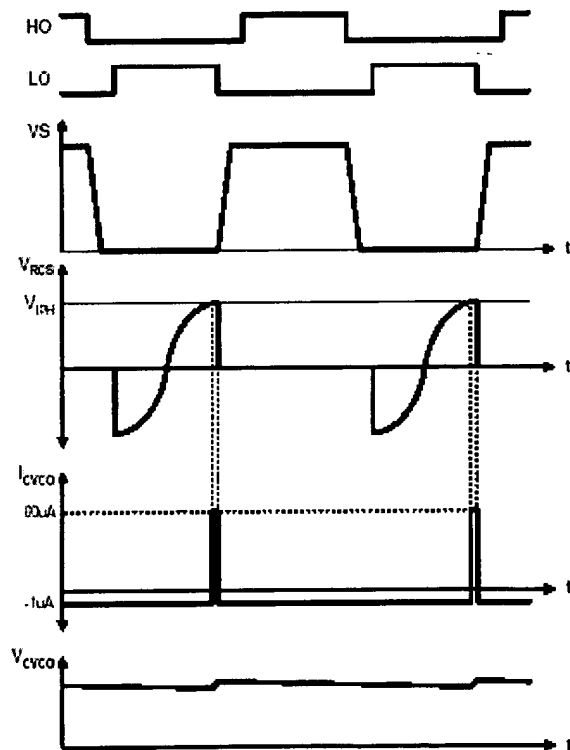
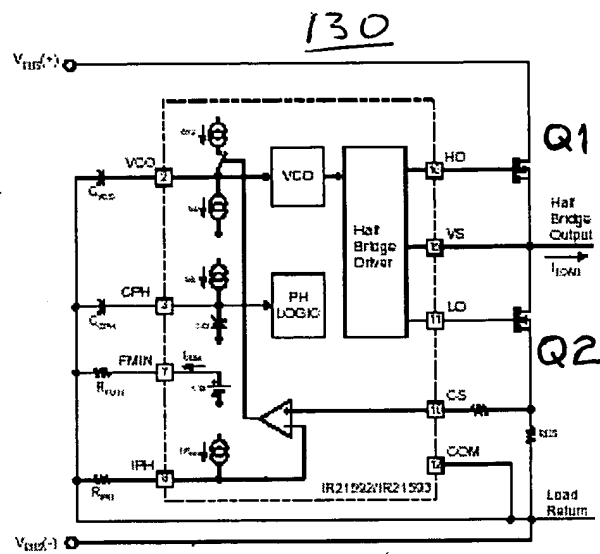
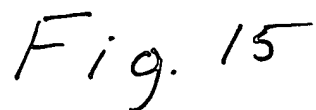
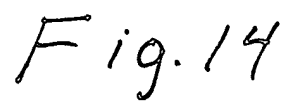
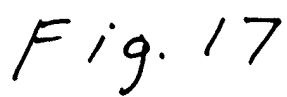
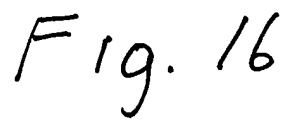


Fig. 9







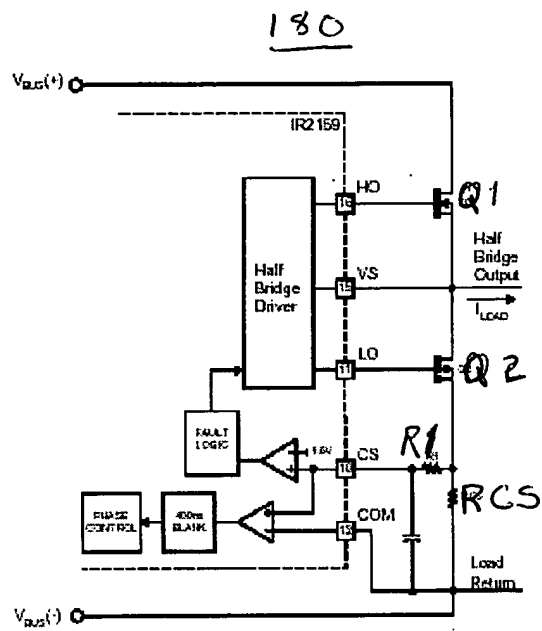


Fig. 18

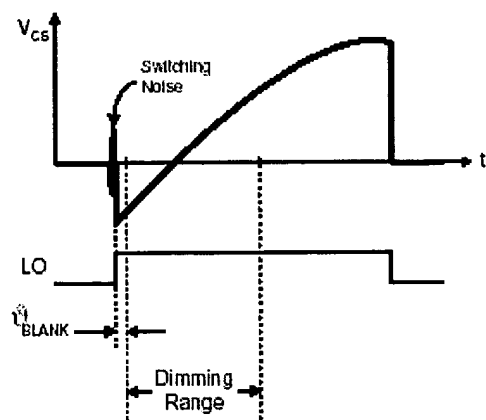


Fig. 19

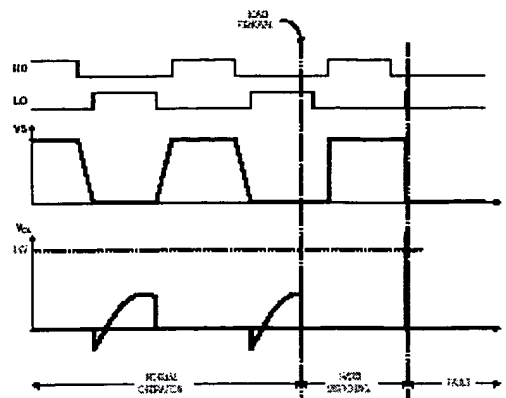


Fig. 20